

**UNCLASSIFIED**

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b>							DATE <b>February 2000</b>		
<b>BUDGET ACTIVITY</b> <b>5 - Engineering and Manufacturing Development</b>				<b>PE NUMBER AND TITLE</b> <b>0604619A Landmine Warfare</b>				<b>PROJECT</b> <b>D088</b>	
<i>COST (In Thousands)</i>	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D088 Wide Area Munition (WAM)	23825	13218	15902	18853	11897	0	0	0	329557

**A. Mission Description and Budget Item Justification:** The Wide Area Munition (WAM), a “smart,” remotely-reprogrammable antitank weapon, provides unique control and offensive capability for a variety of missions. WAM will significantly reduce Army losses by using advanced smart munitions technology on the battlefield. The program provides for Engineering and Manufacturing Development (EMD) of the Basic WAM deployed by hand emplacement with one-way communications. The pre-planned product improvement to Basic WAM will be executed in two phases: WAM A1 will provides a two-way command and control and redeployable capability. WAM A2 will provide enhancements to the sublet and gowned platform enhancements to include Global Positioning (GPS) .

**FY 1999 Accomplishments:**

- 11555 Continued WAM PIP(A1) development of munition receiver, transmitter and control station interface module
- 2064 Initiated fabrication of Technical Test/Initial Operational Test and Evaluation hardware (20 systems)
- 2006 Continued System engineering
- 5700 Continued Ground Platform Module development
- 2500 Continued Control Station development/integration

Total 23825

**FY 2000 Planned Program:**

- 4600 Initiate WAM PIP (A1) TT/IOT&E testing
- 7162 Continue WAM PIP (A1) system engineering
- 1100 Continue system performance analysis
- 356 Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 13218

**FY 2001 Planned Program:**

- Complete PIP (A1) TT/IOT&E
- 3105
- 2340 Complete Compass, GPS integration and testing for A2
- 7061 Initiate ground performance enhancement development (A2)
- 3396 Initiate sublet enhancement development (A2)

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Total 15902

<b>B. Program Change Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 2000/2001 PB)	23036	13318	0
Appropriated Value	23189	13318	
Adjustments to Appropriated Value			
a. Congressional General Reductions	-153		
b. SBIR / STTR	-611		
c. Omnibus or Other Above Threshold Reduction		-54	
d. Below Threshold Reprogramming	+1492		
e. Recissions	-92	-46	
Adjustments to Budget Years Since FY 2000/2001 PB			+15902
Current Budget Submit (FY 2001 PB)	23825	13218	15902

Change Summary Explanation: Funding – FY 2001: Funds (+15902) transferred from WAM production (SSN: E78100) in order to continue PIP EMD effort

<b>C. Other Program Funding Summary</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	To <u>Compl</u>	Total <u>Cost</u>
Procurement of Ammunition, Army (PAA) And Other Procurement, Army (OPA)									
WAM, E78100 (PAA)	9544	15191	7284	29206	44571	56334	56126	1428667	1686230
WAM Remote Control Unit, G01000 (OPA)	0	0	0	0	3874	3900	3896	0	11670
WAM Individual Trainer, E78103 (PAA)	0	1832	1534	0	0	0	0	0	5185
WAM Collective Trainer, E78104 (PAA)	0	0	0	1942	0	0	0	0	3868

**D. Acquisition Strategy:** The Basic WAM transitioned to Low Rate Production (LRP) in 3QFY96. A sole source Fixed Price Incentive Fee contract was awarded to the EMD contractor for the LRP quantity. Production buys will be included under the LRP contract as Firm Fixed Price options. A sole source Cost Plus Incentive Fee contract for EMD of an improved WAM was awarded to the Basic WAM developer in FY 1996.

<b>E. Schedule Profile</b>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY 2006</u>
WAM Basic Material Release		3Q						
WAM PIP (A1) TC LRP			1Q					
WAM PIP (A1) TC standard				4Q				
WAM PIP (A2) TC LRP				3Q				
WAM PIP (A2) TC Standard					4Q			

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## UNCLASSIFIED

## ARMY RDT&amp;E COST ANALYSIS (R-3)

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BUDGET ACTIVITY

5 - Engineering and Manufacturing Development

PE NUMBER AND TITLE

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I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	Cost To Complete	Total Cost	Target Value of Contract
PIP EMD	CPIF	Textron	41549	18771	Oct98	8000	Oct 99	10225	Oct00	20225	98770	TBD
Basic EMD	CPIF	Textron	150614			0		0		0	150614	150614
Subtotal Product Development			192163	18771		8000		10225		20225	249292	
II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	Cost To Complete	Total Cost	Target Value of Contract
Engineering Support		ARDEC	23483	3212	Oct98	2700	Oct 99	3177	Oct00	6000	38572	
Engineering Support		OGA (misc)	14234	753	various	518	various	500	various	750	16755	
Subtotal Support Costs:			37717	3965		3218		3677		6750	55327	
III. Test and Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	Cost To Complete	Total Cost	Target Value of Contract
Test Support		TECOM	11262	519	Feb99	1500	Dec 99	1500	Oct00	3000	17781	
Subtotal Test and Evaluation:			11262	519		1500		1500		3000	17781	
IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	Cost To Complete	Total Cost	Target Value of Contract
Program Management		PM-MCD	4649	570	Oct98	5 00	Oct 99	500	Oct00	1000	7219	
Subtotal Management Services:			4649	570		500		500		1000	7219	
Project Total Cost:			245791	23825		13218		15902		30975	329619	

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